

**24 x 10/100Base-TX PoE + 2 x
Gigabit SFP Combo Ports
Web-Smart Ethernet Switch**

User's Manual

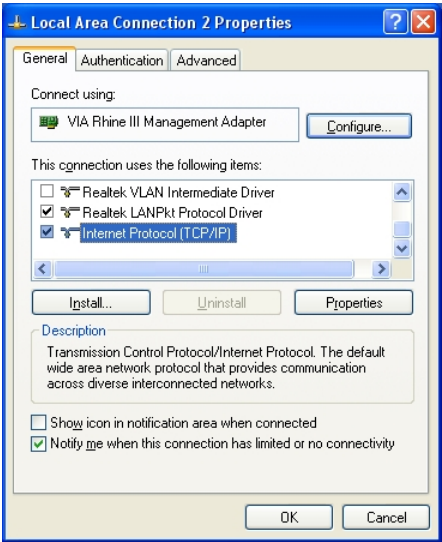
<Note> The ITE is to be connected only to PoE networks without routing to the outside plant.

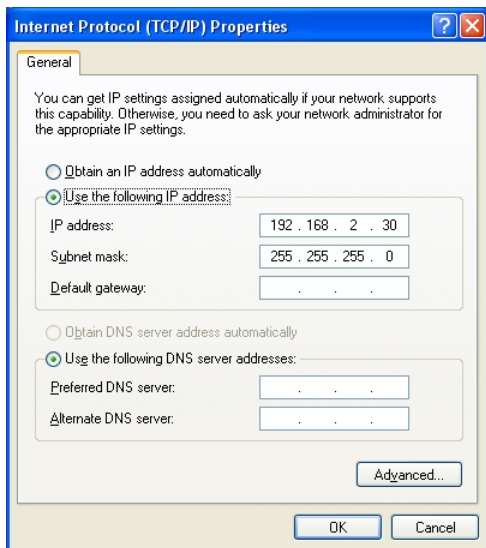
Web Smart Switch Configure

Please follow the steps to configure this Web Smart Switch.

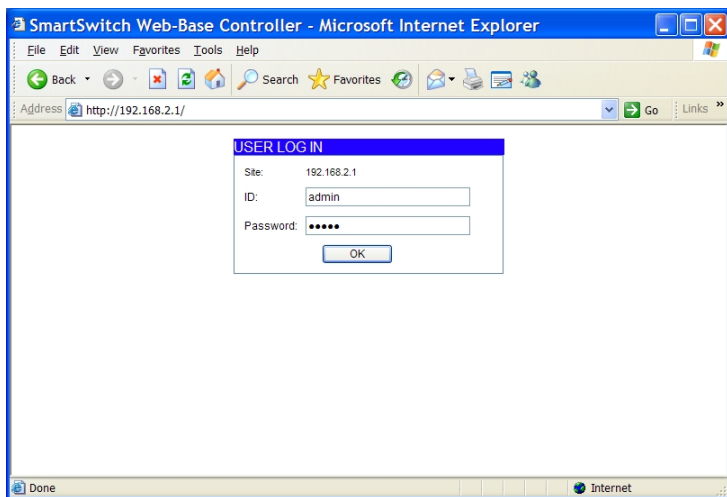
Step 1: Use a twisted pair cable to connect this switch to your PC.

Step 2: Set your PC's IP to 192.168.2.xx.





Step 3: Open the web browser (like IE...), and go to 192.168.2.1 Then you will see the login screen.



ID and the password: admin

Step 4: After the authentication procedure, the home page shows up. Select one of the configurations by clicking the icon.

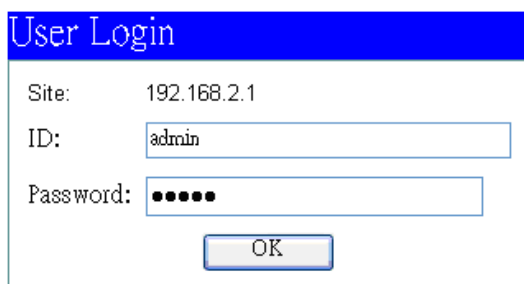
When you forgot your IP or password, please use the reset button for the factory default setting

Please take the following steps to reset the Web Smart Switch back to the original default:

Step 1: Turn on the Web Smart Switch.

Step 2: Press and hold the reset button continuously for 5 seconds and release the reset button.

Step 3: The switch will reboot for 20 seconds and the configuration of switch will back to the default setting.

A screenshot of a 'User Login' dialog box. The title bar is blue with the text 'User Login' in white. The dialog box has a white background and a thin blue border. It contains three labels with corresponding input fields: 'Site:' followed by the text '192.168.2.1'; 'ID:' followed by a text box containing 'admin'; and 'Password:' followed by a text box containing six black dots. Below these fields is a single button labeled 'OK'.

Key in the user ID and the password to pass the authentication; the user ID and the password are "admin".

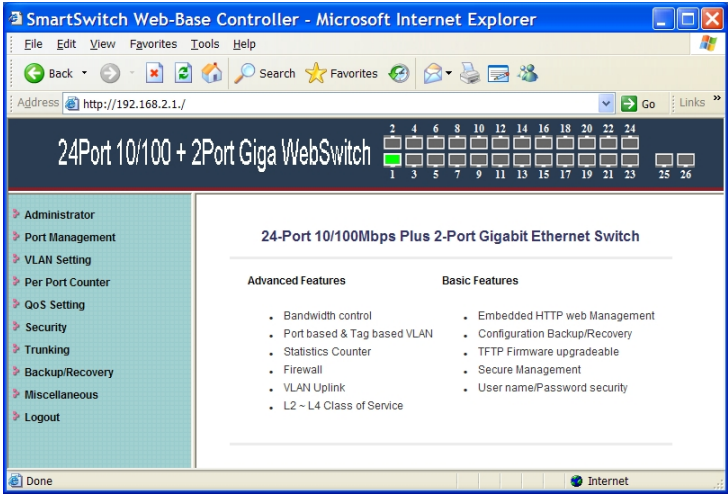
IP: 192.168.2.1

ID: admin

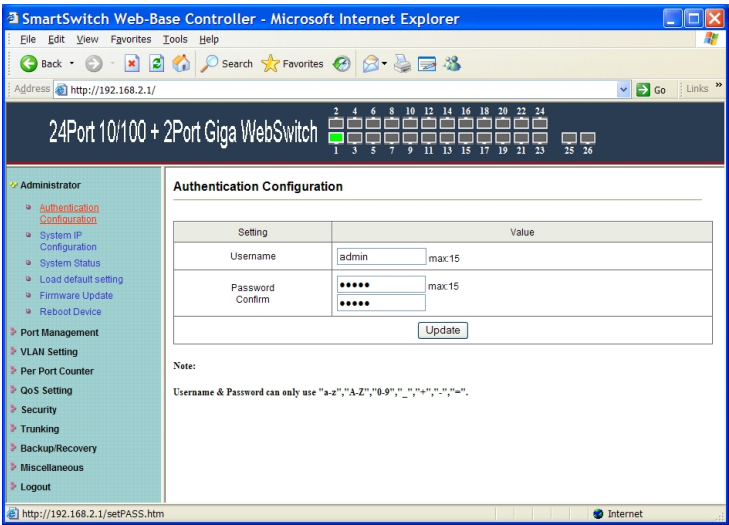
Password: admin

- Administrator
- Port Management
- VLAN Setting

- Per Port Counter
- QoS Setting
- Security
- Trunking
- Backup/Recovery
- Miscellaneous
- Logout

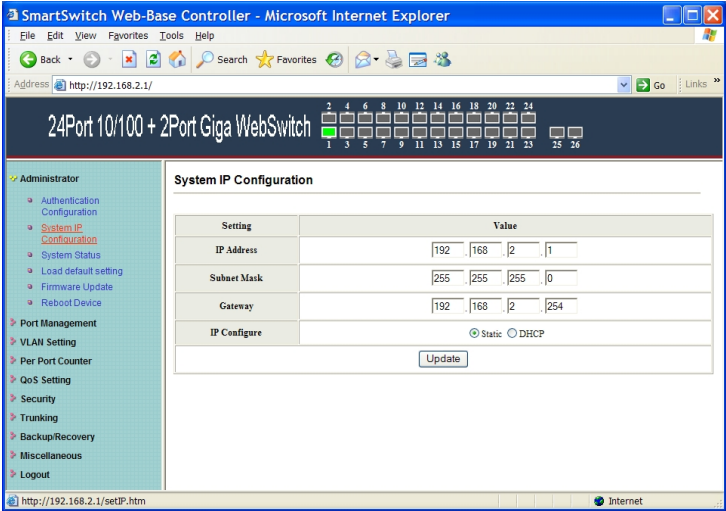


Administrator: Authentication Configuration



1. Change the user name and the password.
 2. Click “Update” to confirm the new change.
 3. Turn off the power and reset this switch.
 4. After resetting, turn on the switch for the new change.
- Now, you can use the new user name and the password.

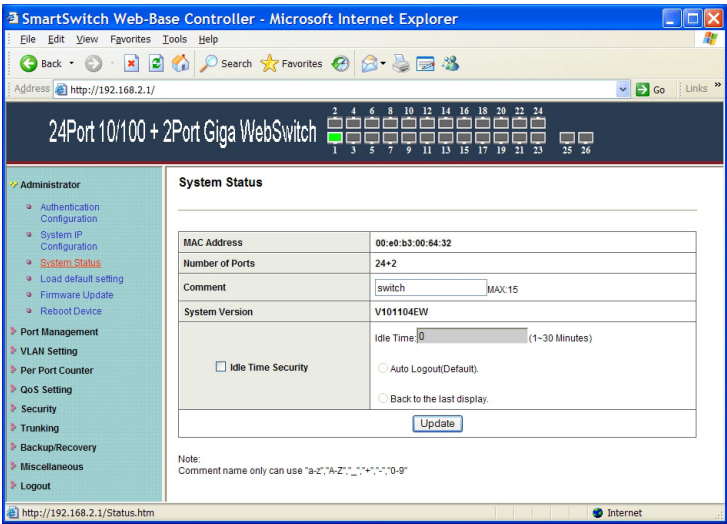
Administrator: System IP Configuration



1. Change the IP address: type the new IP address or select DHCP IP configuration.
2. Click “Update” to confirm the new change.
“Setting Process OK!!” will be shown on the screen.
3. Turn off the power and reset this switch.
4. After resetting, turn on the switch for the new change.

Now, the setting of “System IP Configuration” is finished.

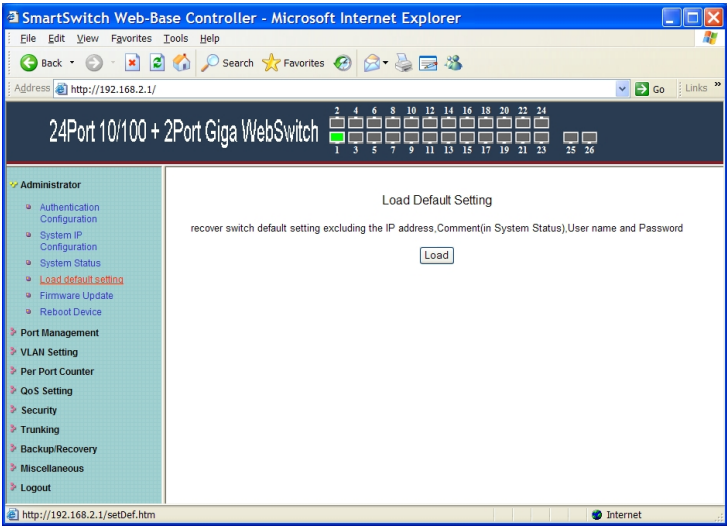
Administrator: System Status



MAC address and system version will be shown on the screen.

1. Change the new comment of this switch by typing the new comment.
 2. Click “Update” to confirm the new change.
- Now, the setting of “System Status” is finished.

Administrator: Load Default Setting

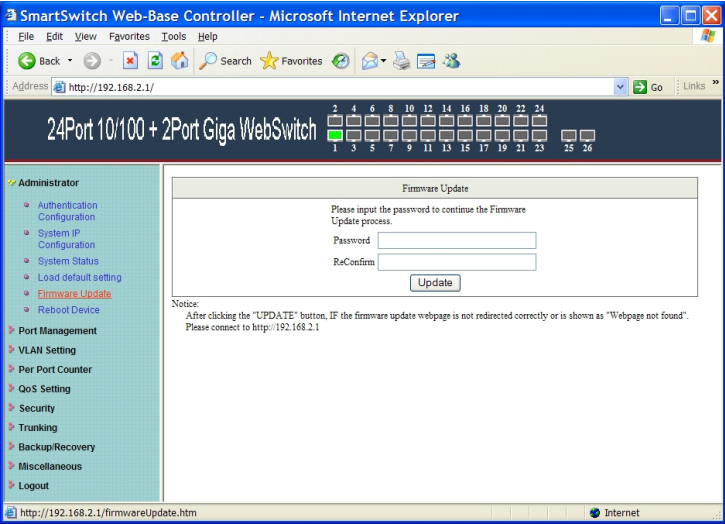


1. Click “Load” to back to the factory default setting.
2. Turn off the power and reset this switch.
3. After resetting, turn on the switch for the new change.

****Note:** Recover switch default setting excluding the IP address, User name and Password.

Now, the default is loaded.

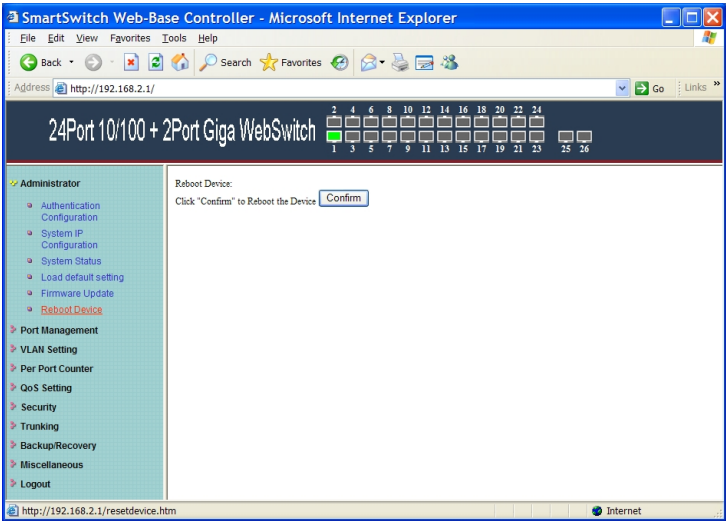
Administrator: Firmware Update



Follow the instruction on the screen to update the new firmware.

Please contact with your sales agents to get the latest firmware information.

Administrator: Reboot Device



1. Click “Confirm” to reboot the device.
- Now, the setting of “Reboot Device” is finished.

Port Management: Port Configuration

Port Configuration

Select Port No. ☐ 01 ☐ 02 ☐ 03 ☐ 04 ☐ 05 ☐ 06 ☐ 07 ☐ 08 ☐ 09 ☐ 10 ☐ 11 ☐ 12 ☐ 13 ☐ 14 ☐ 15 ☐ 16 ☐ 17 ☐ 18 ☐ 19 ☐ 20 ☐ 21 ☐ 22 ☐ 23 ☐ 24 ☐ 25 ☐ 26

Port	Current Status				Setting Status						
	Link	Speed	Duplex	FlowCtrl	Tx/Rx Ability	Auto-Nego	Speed	Duplex	Pause	Backpressure	Addr. Learning
1	●	100M	FULL	ON	ON	AUTO	100M	FULL	ON	ON	ON
2	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	ON
3	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	ON
4	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	ON
5	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	ON
6	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	ON
7	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	ON
8	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	ON
9	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	ON
10	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	ON
11	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	ON
12	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	ON
13	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	ON
14	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	ON
15	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	ON
16	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	ON
17	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	ON

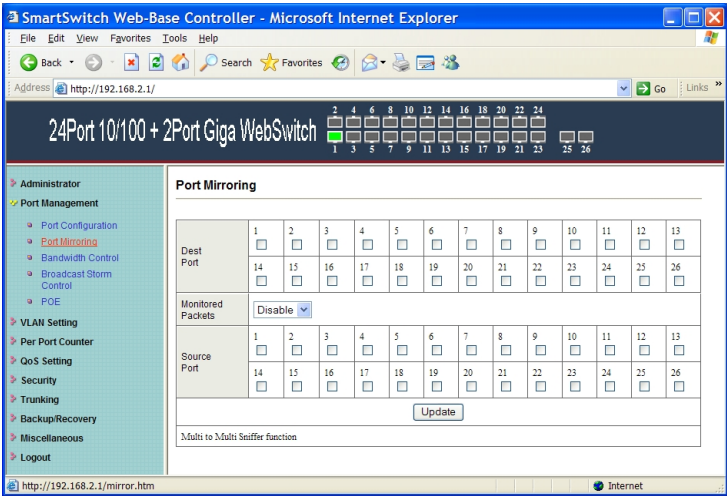
Select the "Port No." - configure the mode below:

1. "Tx/Rx Ability": enable/disable Tx/Rx Ability of the port.
2. "Auto-Negotiation": enable/disable Auto-Negotiation function for the port.
3. "Speed": select the 10M, 100M, or 1G mode for the port.
4. "Duplex": select the port is full or half-duplex mode.
5. "Pause": enable/disable Pause function for the port.
6. "Backpressure": enable/disable Backpressure

function for the port.

7. “Addr. Learning”: enable/disable Address Learning function for the port.

Port Management: Port Mirroring

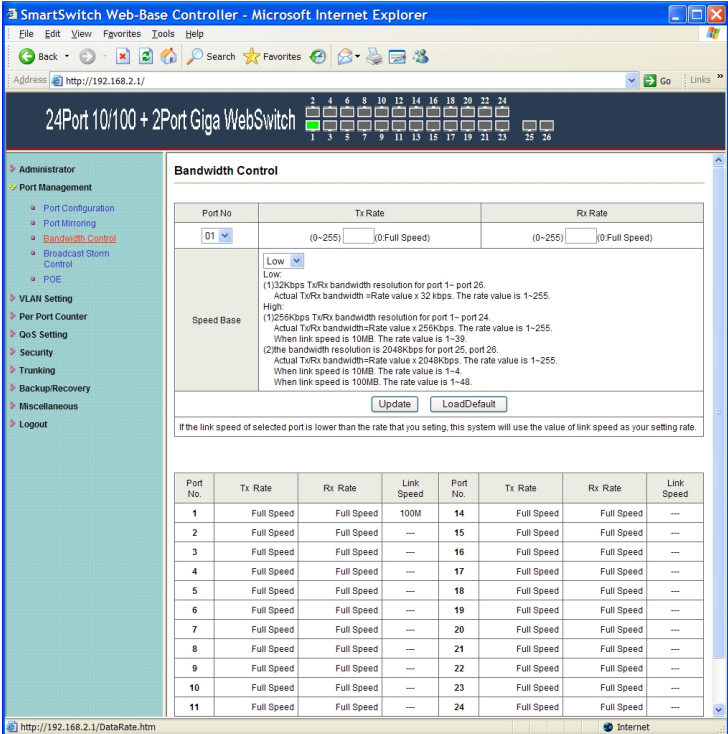


Port Mirroring is used to mirror traffic, Rx, Tx, or Tx & Rx, from Source port to Destination port for analysis.

1. Select the Destination port: by clicking the checking box of the port.
2. Select the Source port: by clicking the checking box of the port.
3. Click “Update” to save the setting.

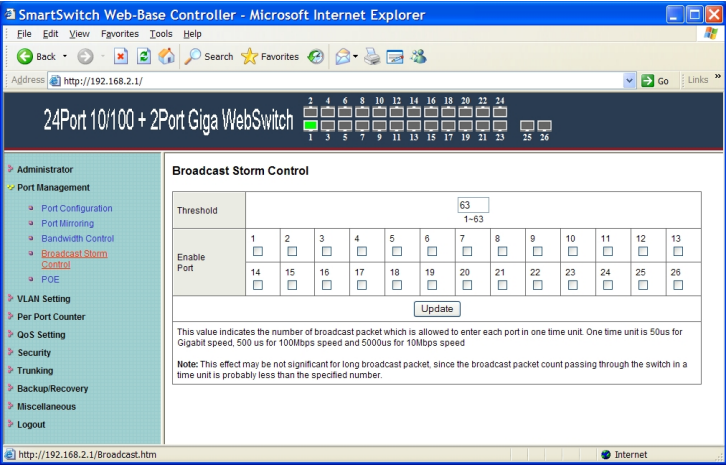
Now, the setting of “Port Mirroring” is finished.

Port Management: Bandwidth Control



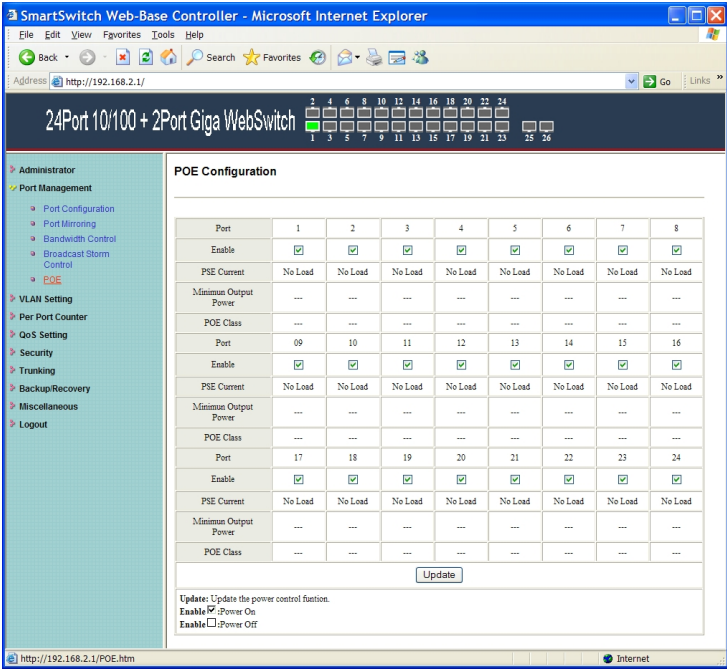
1. Select the “Port No.”: you can choose port 1 to port 26.
 2. “Tx Rate”: set the transmission rate of the selected port. (0: Full speed; 1~255: Specified bandwidth.)
 3. “Rx Rate”: set the receiving rate of the selected port. (0: Full speed; 1~255: Specified bandwidth.)
 4. “Resolution”: Low: 32kbps for port 1 ~ port 24 / High: 256kbps for port 1 ~ port 24, 2048kbps for port 25 ~ port 26.
 5. Click “Update” to confirm the setting or “LoadDefault”.
- Now, the setting of “Bandwidth Control” is finished.

Port Management: Broadcast Storm Control



1. “Threshold” - Set the threshold from 1~63.
 2. “Enable Port” - per port to define the status of broadcast packets.
 3. Click “Update” to confirm the setting.
- Now, the setting of “Broadcast Storm Control” is finished.

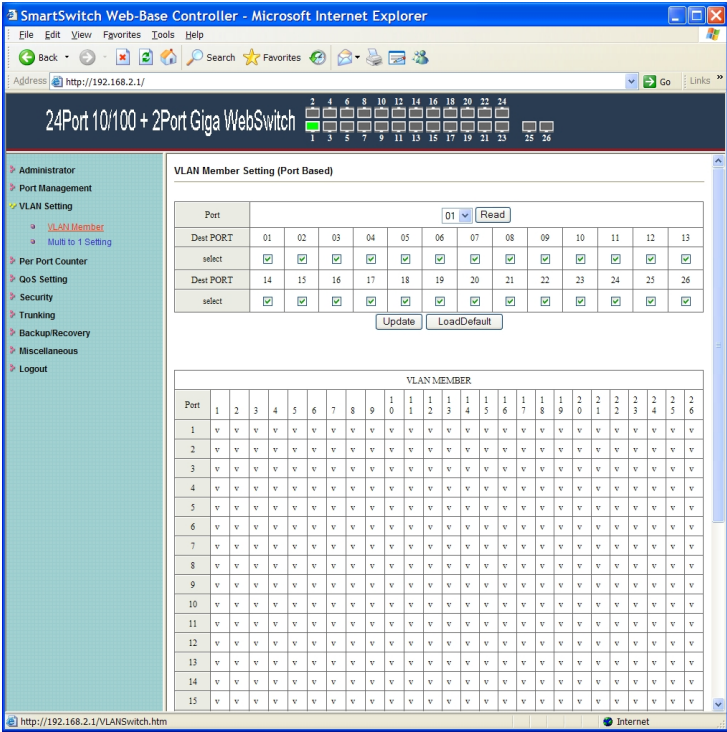
Port Management: POE



Remote access and monitor the attached PD (Powered Device) status by using Enable/Disable function.

1. "Enable": POE of the port is able to supply power to the attached PD (Powered Device).
 2. "PSE Current & Minimum Output Power": The status of the port current and minimum output power.
 3. "POE class": each POE port will detect the class of the attached PD (Powered Device).
 4. Click "Update" to confirm and finish the setting.
- Now, the setting of "POE" is finished.

VLAN Setting: VLAN Member (Port Based VLAN)

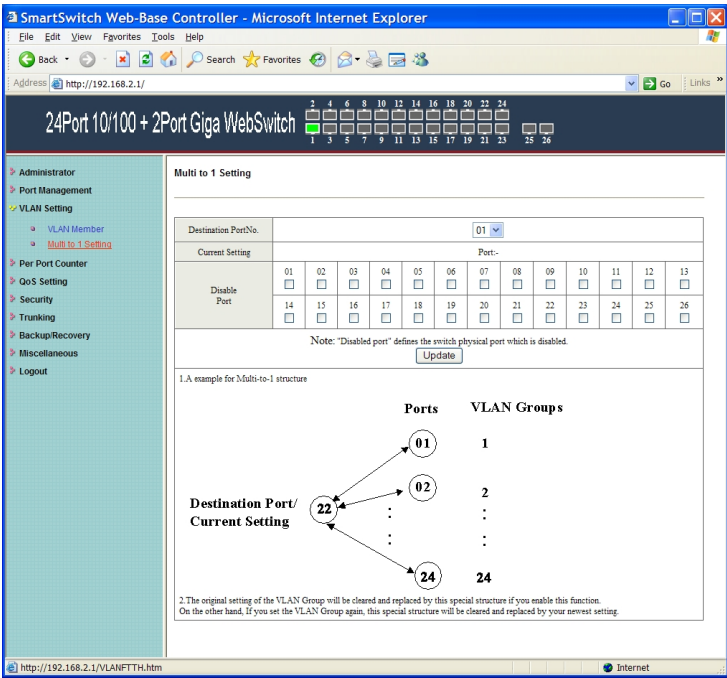


You can select a port group.

1. Click the port numbers: which you want to put them into the selected VLAN group.
2. Click “Update” to confirm and finish the setting.
3. Click “LoadDefault” to back to the original factory setting.

Now, the setting of “VLAN Member” is finished.

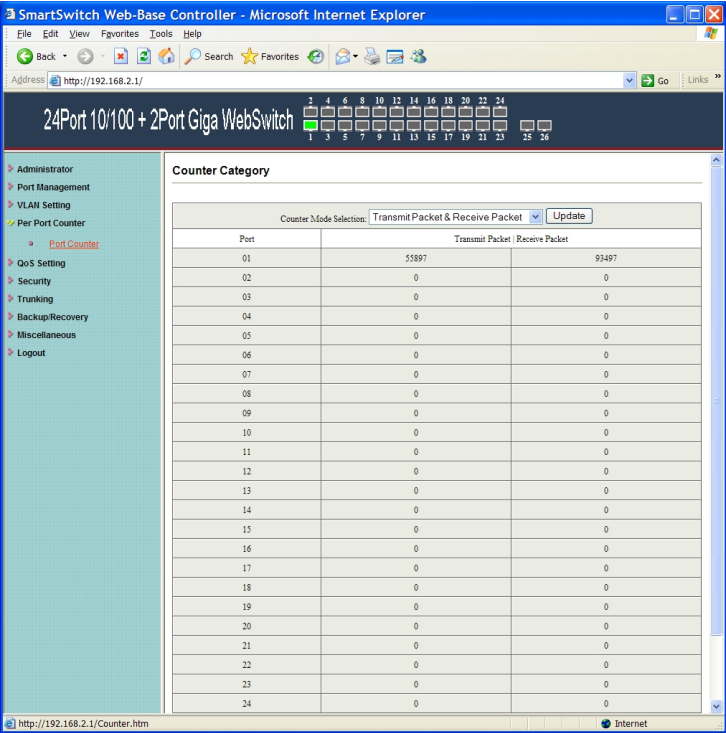
VLAN Setting: Multi to 1 Setting



This is a special design for easily setting the switch VLAN into “VLAN Per Port”.

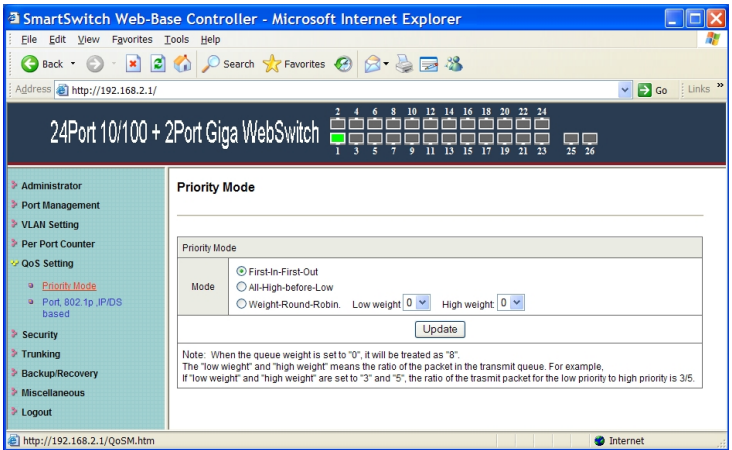
1. Choose “Destination Port No”.
 2. Choose “Disable Port” - choose the port which you don’t want to use.
 3. Click “Update” to confirm and finish the setting.
- After this setting, all ports can only connect to the destination port.

Per Port Counter: Port Counter



You can read the transmitting and receiving packet of the connecting port.
Click “Refresh” or “Clear” the data.

QoS Setting: Priority Mode



There are three Priority Modes to select.

1. “First-In-First-Out”: the first receiving packet will be firstly transmitted.
2. “All-High-before-Low”: packets set in high priority mode will be firstly transmitted before packets set in low priority mode.
3. “Weight-Round-Robin”: set the ratio of the transmitting packet for the low priority to high priority.
4. Click “Update” to confirm and finish the setting.

QoS Setting: Port, 802.1p, IP/DS based

SmartSwitch Web-Base Controller - Microsoft Internet Explorer

Address: http://192.168.2.1/

24Port 10/100 + 2Port Giga WebSwitch

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Class of Service Configuration

☒ Enable High Priority

Port No./Mode	Port Base	VLAN Tag	IP / DS	Port No./Mode	Port Base	VLAN Tag	IP / DS
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	21	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	23	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	24	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	25	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	26	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Update

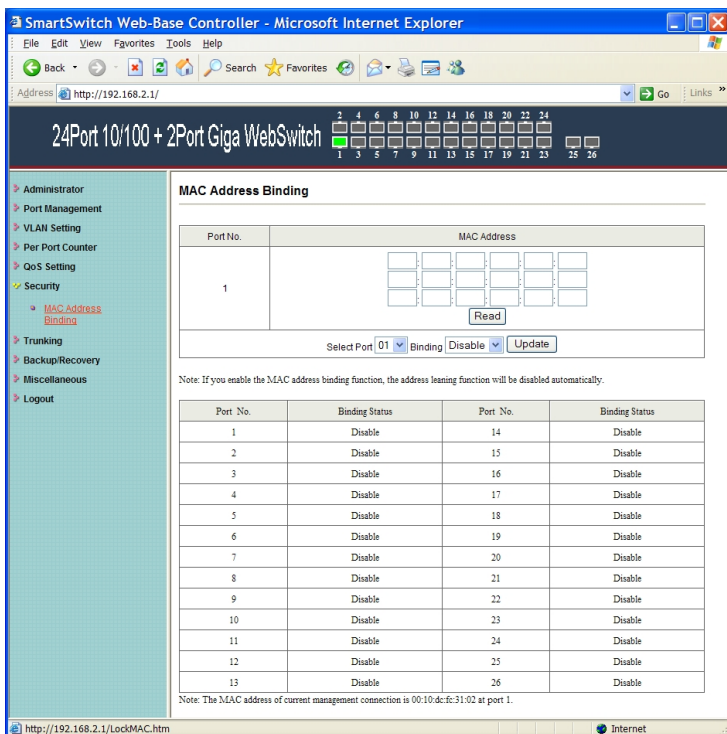
As long as any of three COS schemes(802.1p,IP TOS/DS or Port Base) is mapped to "high", the data packet will be treated as the high priority.
VLAN Tag priority: high priority -> 4~7 ; low priority -> 0~3
IPv4 DS and IPv6 TC: high priority -> 10,18,26,34,46,48,56 ; low priority -> others

http://192.168.2.1/QoSP.htm

You can set QoS mode of per port by different bases.

1. "Port Base": you can select the port which you want to configure as high priority. It means the packet of the port will be firstly transmitted.
2. "VLAN Tag": you can select the port which you want to configure as high priority. It means the packet with special Tag will be firstly transmitted.
3. "IP/DS": you can select the port which you want to configure as high priority. It means the packets with special IP will be firstly transmitted.
4. Click "Update" to confirm and finish the setting.

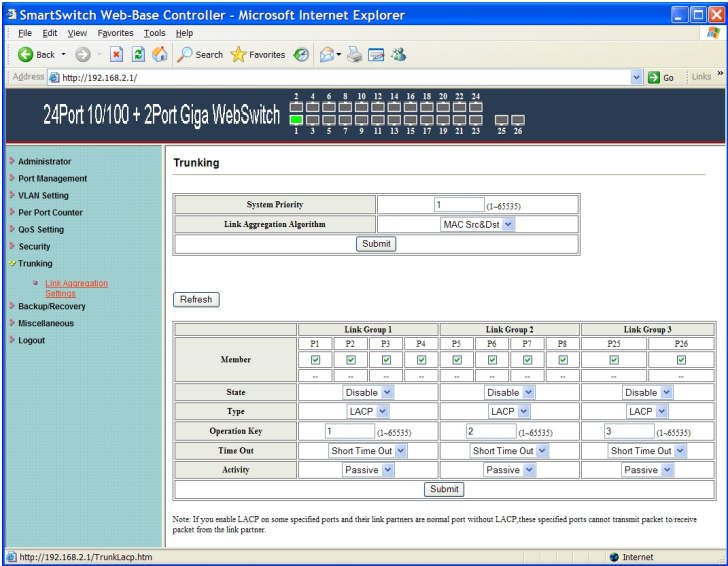
Security: MAC Address Binding



Set special MAC address to activate on the selected port.

1. Choose “Select Port” – port 1~26.
 2. Binding – Enable: allow the packet with the specified source MAC address to enter this port.
 3. Click “Update” to confirm and finish the setting.
- Now, the setting of “MAC Address Binding” is finished.

Trunk Setting: Link Aggregation Settings



There are two groups to choose and each group is 4 ports and the third group is for 2 ports.

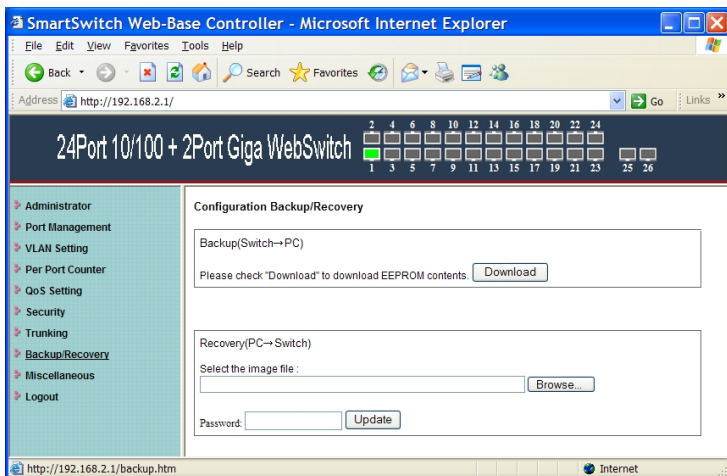
Click “Submit” to confirm and finish the setting.

“State” – Enable / Disable.

“Type” – LACP / Static.

“Activity” – Active / Passive: **Both switches use “LACP” to configure the Trunk, at least one of them should be “Active”.**

Backup/Recovery

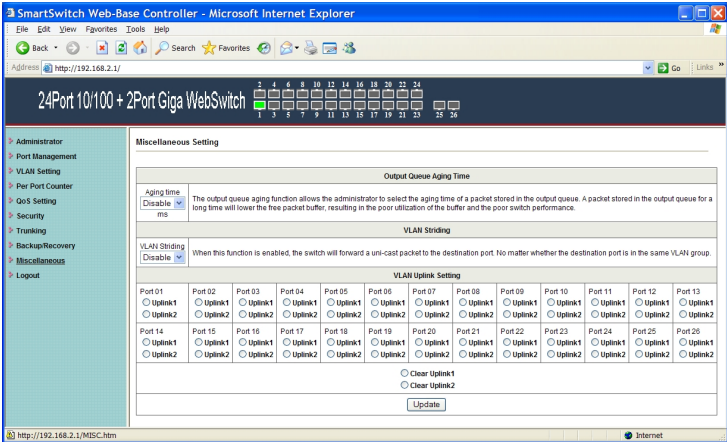


Follow the instruction on the screen to update the original setting.

“Backup” - Click “Download” to confirm the setting.

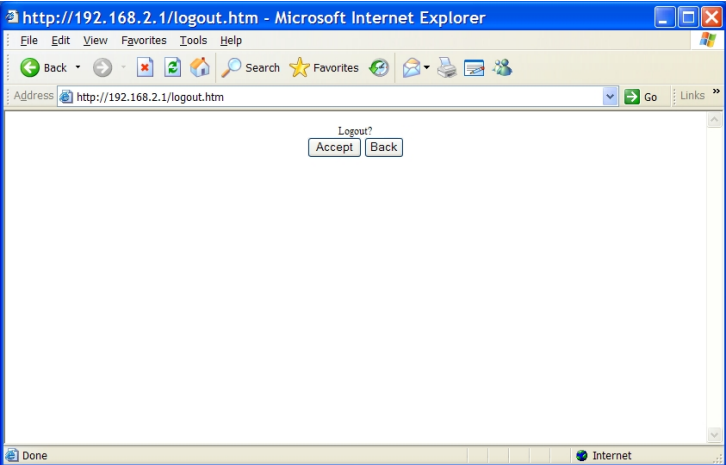
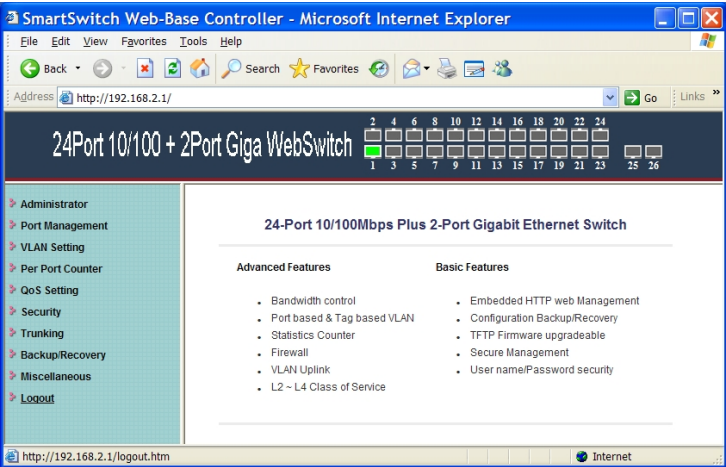
“Recovery” – selects a file and key in the password → Click “Update” to confirm the setting.

Miscellaneous



1. “Aging Time”: You can set queue aging time into different milliseconds or disable this function.
2. “VLAN Striding”: You can enable/disable this function.
3. “VLAN Uplink Setting” – Set “Uplink1 or Uplink2” or “Clear Uplink1” or “Clear Uplink2”.
4. Click “Update” to confirm and finish the setting.

Logout



You can click “Accept” to logout.